

1/7

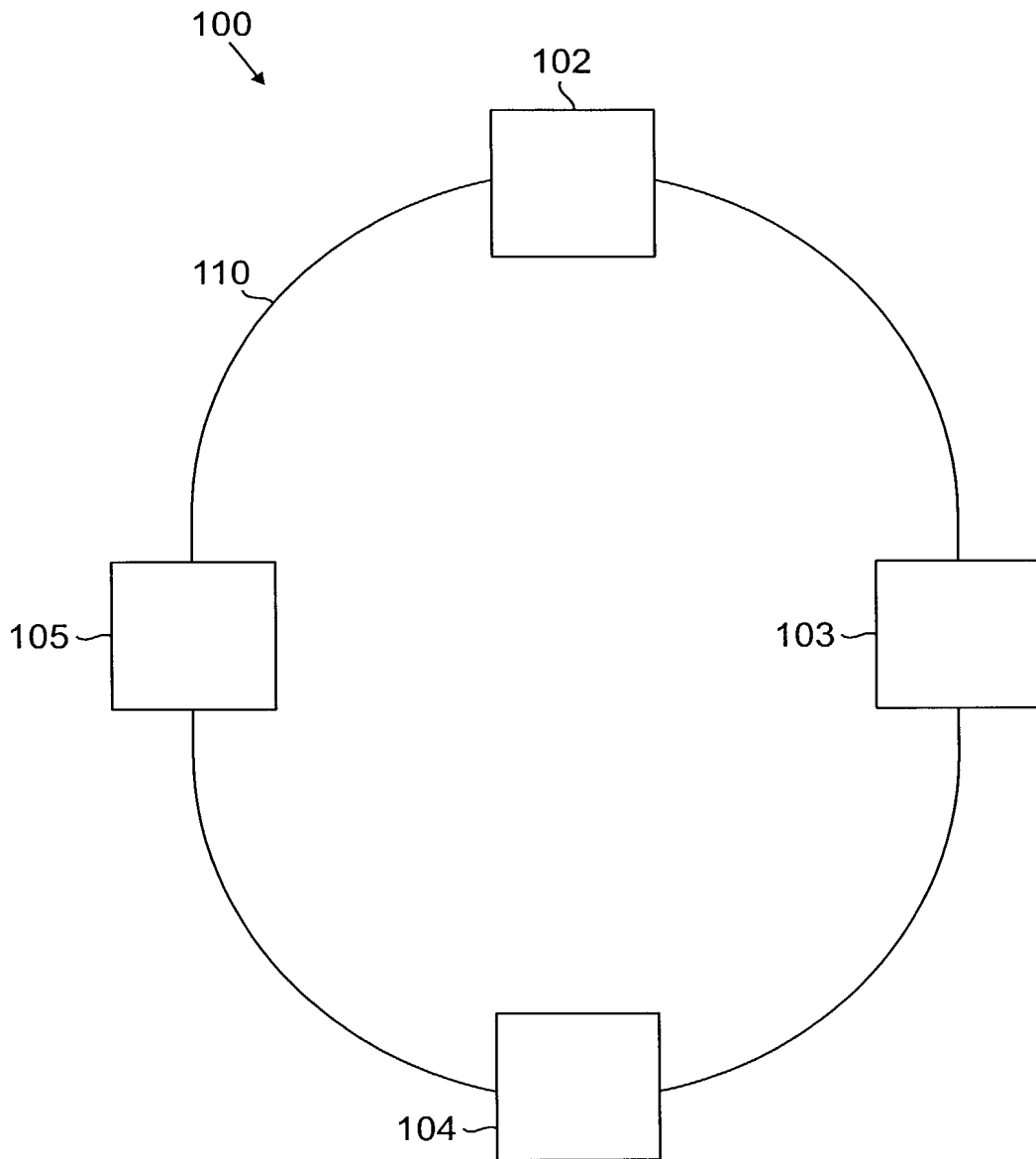


FIG. 1
(PRIOR ART)

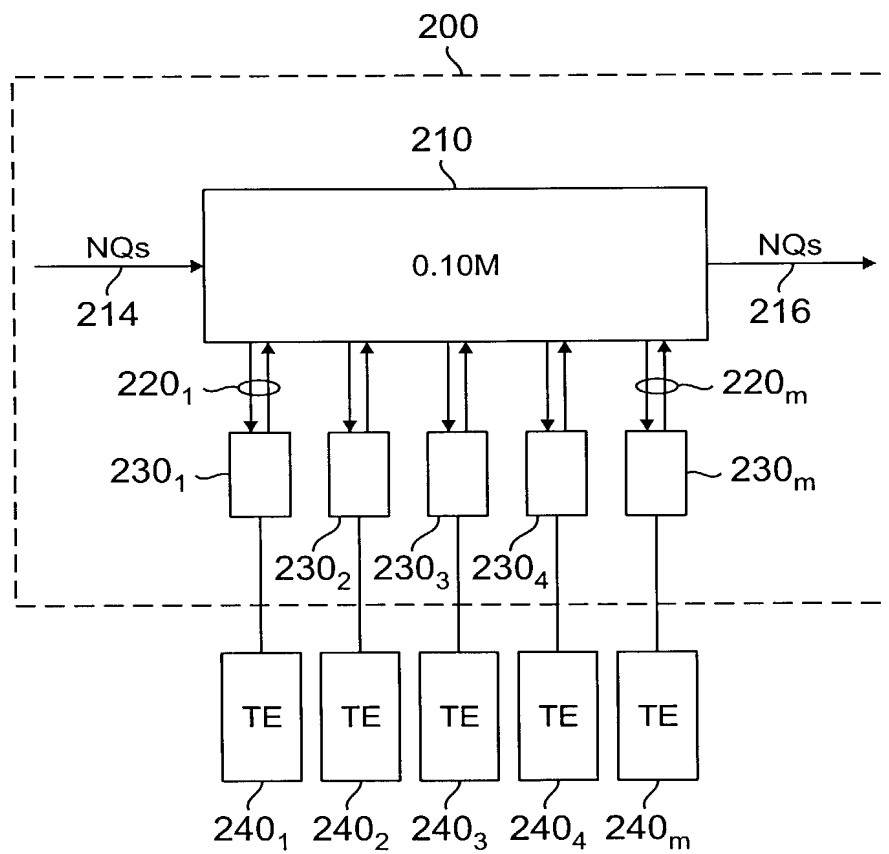


FIG. 2
(PRIOR ART)

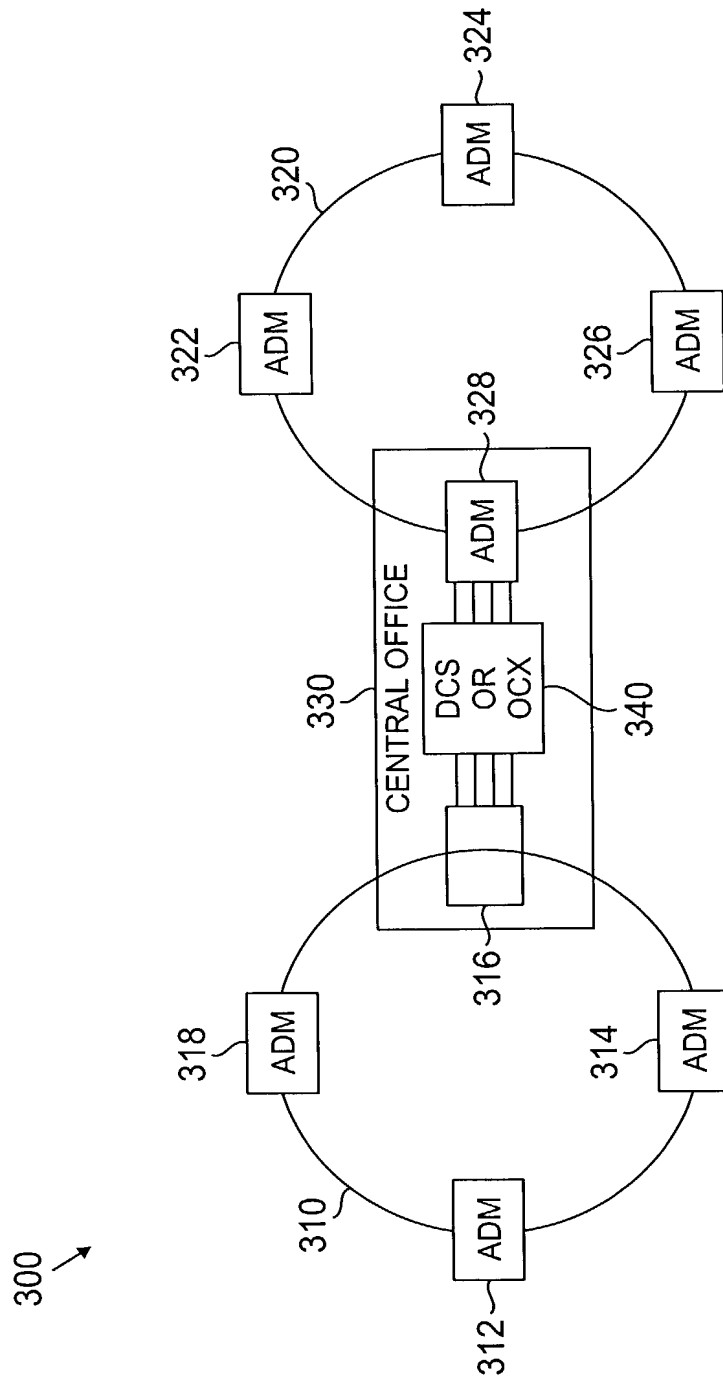
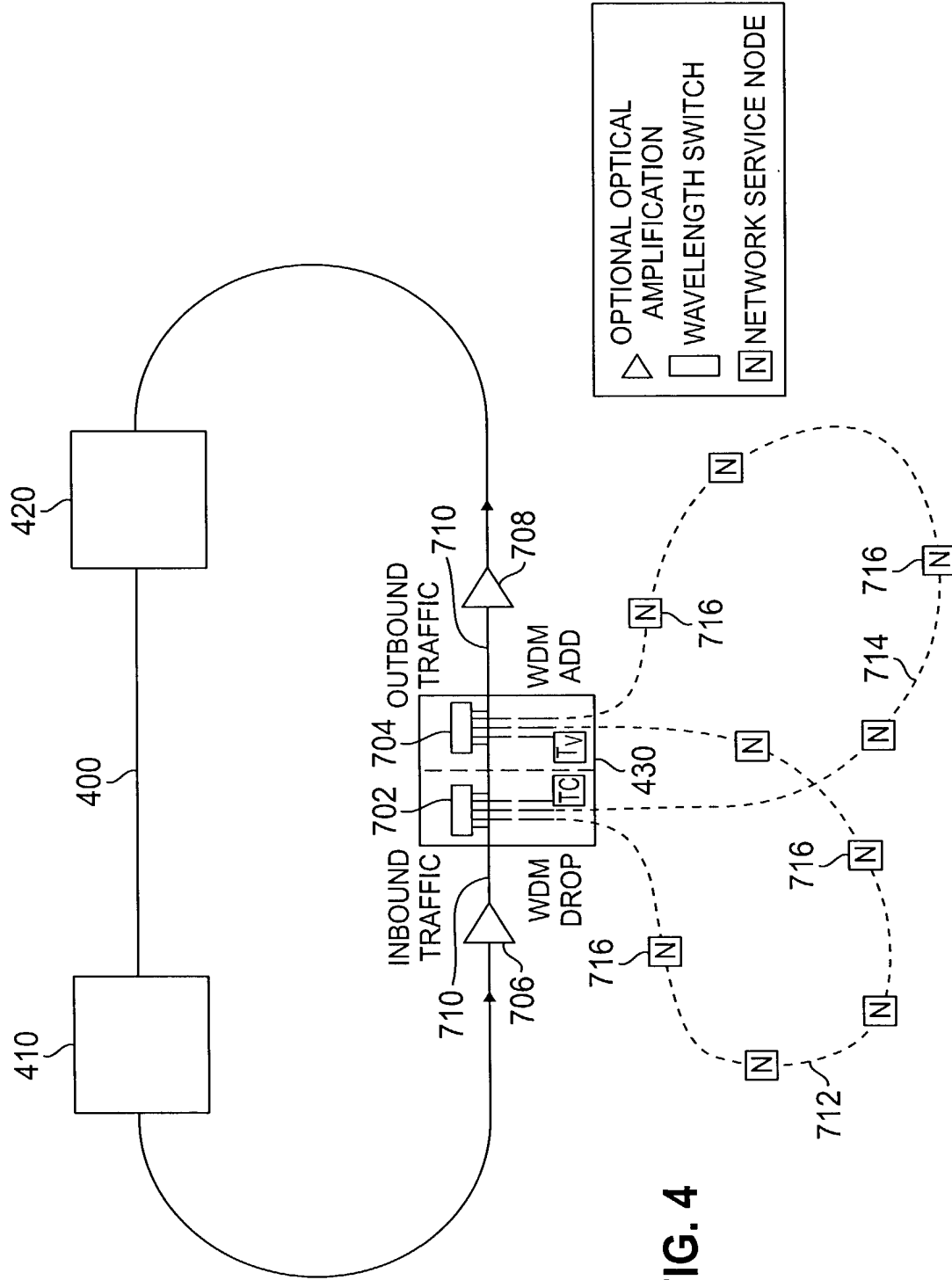


FIG. 3
(PRIOR ART)



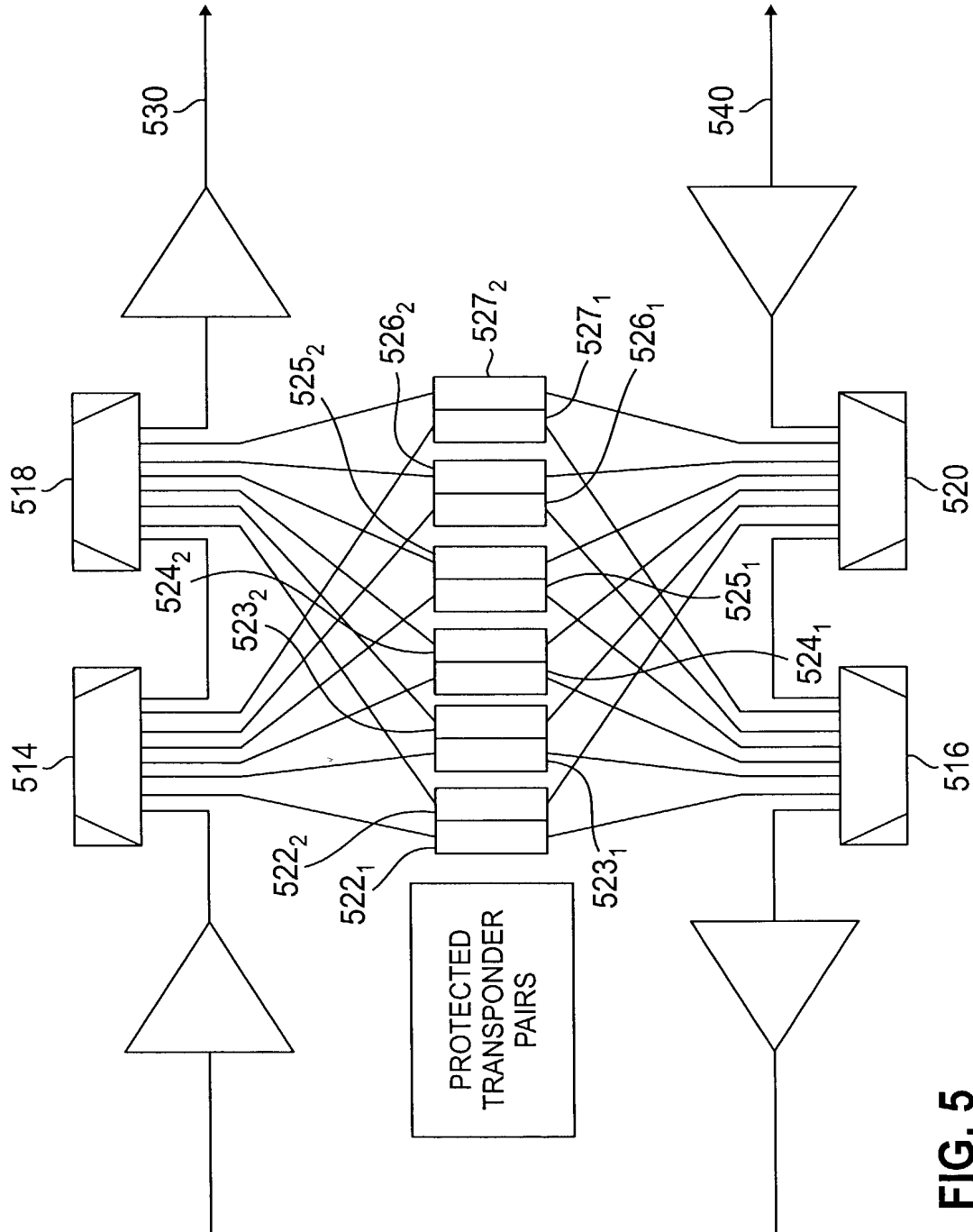


FIG. 5

SWITCHING SYSTEM TO ADD/DROP SIGNALS WITH
INDEPENDENT NODE PATHS (LINK AND NODE DISJOINT)

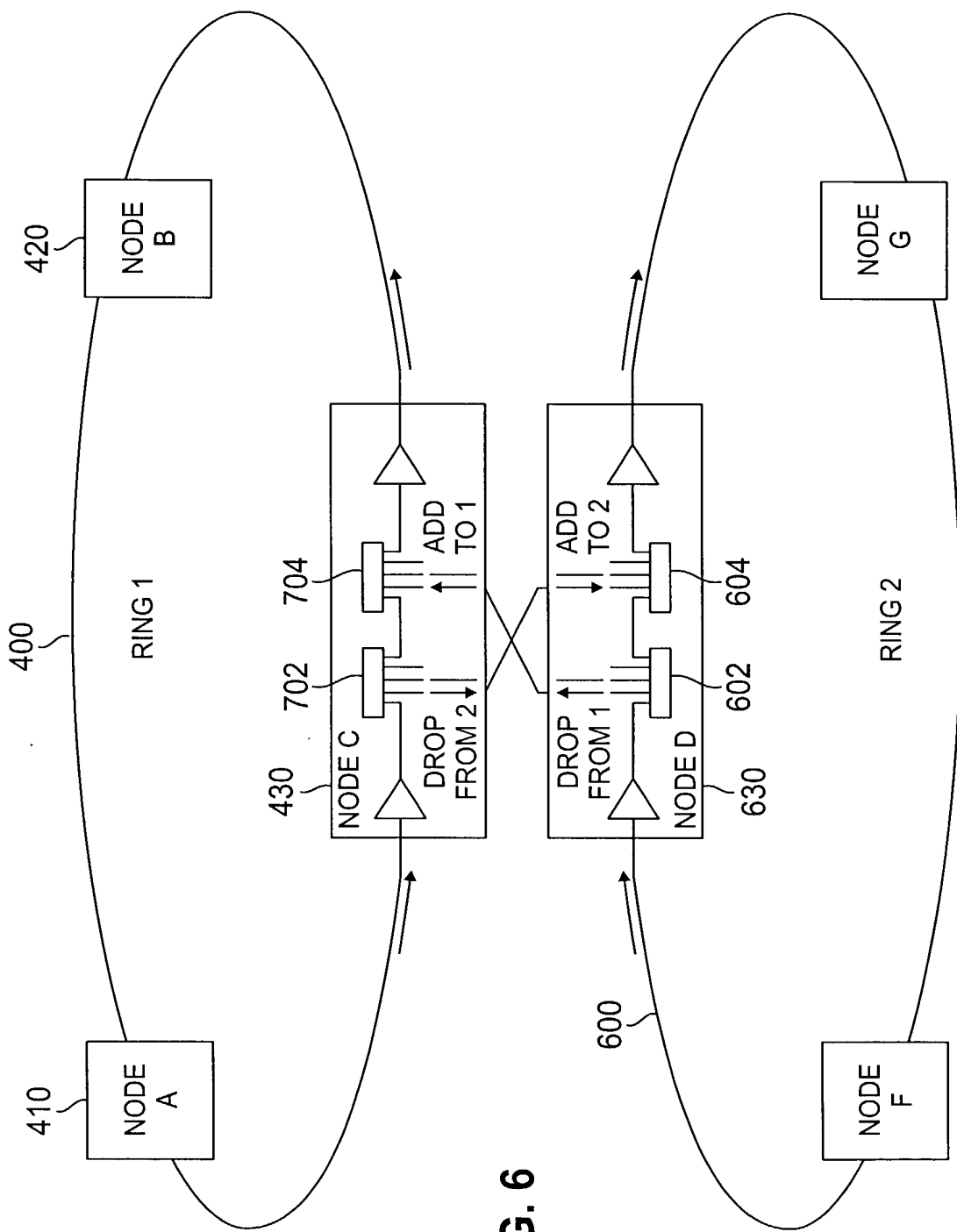
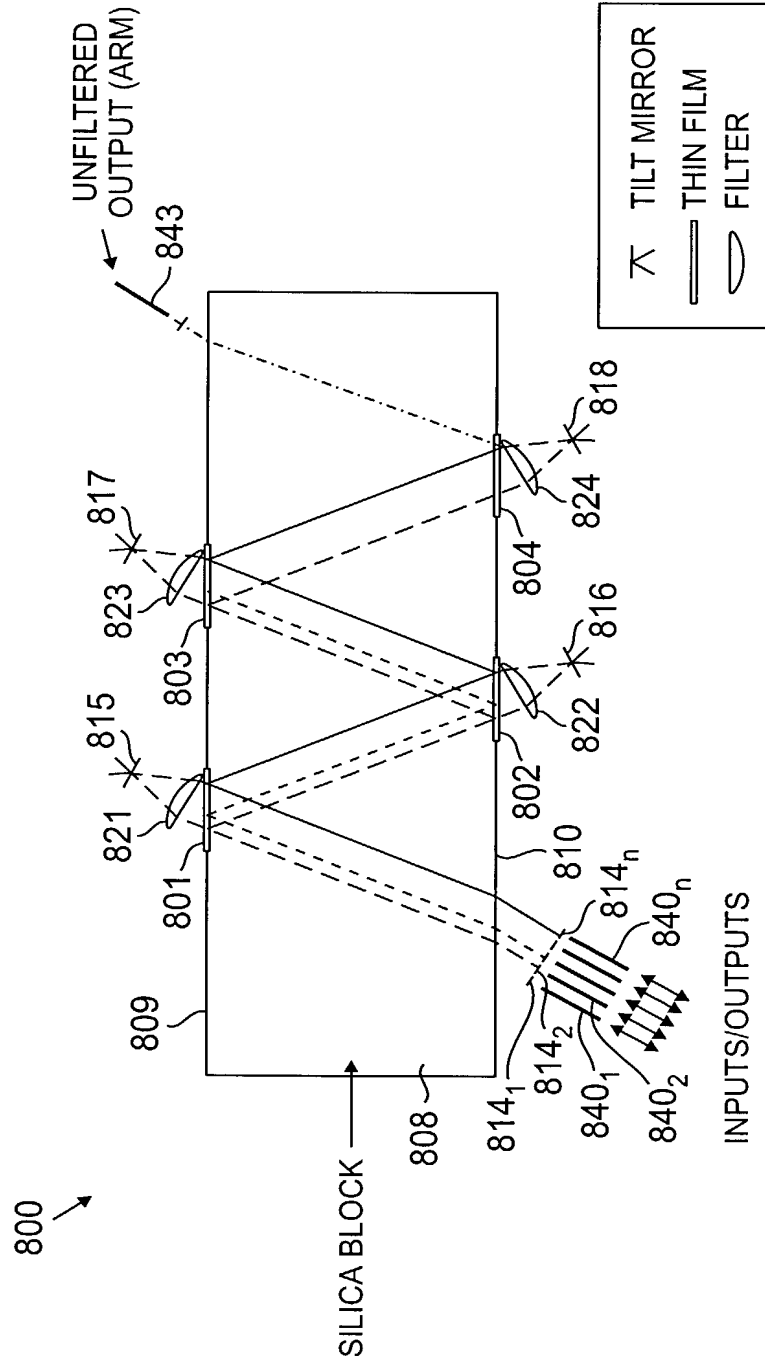


FIG. 6

COMMUNICATION SYSTEM TO EXCHANGE MULTIPLE WAVELENGTH RINGS (1 FIBER OF UNIDIRECTIONAL RING OR A SINGLE FIBER BIDIRECTIONAL RING)



BIDIRECTIONAL INPUTS/OUTPUTS WITH INDEPENDENT WAVELENGTH DISTRIBUTION

FIG. 7